

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0031] with the following rewritten paragraph:

[0031] The cross-sectional view of the schematic model with gas flow direction for PEFC with the function of the variable gas flow channel according to the present invention is shown in Fig.3. This figure is the different situation obtained by the other selection of operation of switching devices 6, 7, 8, wherein the cathode gas of air is fed from two cathode gas feed inlets 1 to two cathode gas manifolds 2 in the center after being distributed into two cathode gas flow fields 4 fabricated on the gas flow plate 5 from two directions, and finally to cathode gas outlet 3 through the manifold 2 of the center. The switching device 6 is only closed in this case. The velocity of air through the gas flow fields is half of the case in Fig.1 with the slight change of the switching device operation. The effect of the ~~present~~ present invention is clearly recognized by the glance of the flow direction depicted in Fig.4.